



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,776	04/02/2004	Amitabh Jain	TI-34913A	2773

  

23494	7590	10/23/2007
TEXAS INSTRUMENTS INCORPORATED		
P O BOX 655474, M/S 3999		
DALLAS, TX 75265		

  

EXAMINER	
STARK, JARRETT J	

  

ART UNIT	PAPER NUMBER
2823	

  

NOTIFICATION DATE	DELIVERY MODE
10/23/2007	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspto@ti.com  
uspto@dlemail.itg.ti.com

**UNITED STATES DEPARTMENT OF COMMERCE****U.S. Patent and Trademark Office**

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
10816776	4/2/2004	JAIN ET AL.	TI-34913A

TEXAS INSTRUMENTS INCORPORATED  
P O BOX 655474, M/S 3999  
DALLAS, TX 75265

**EXAMINER**

Jarrett J. Stark

ART UNIT	PAPER
----------	-------

2823

20071015

DATE MAILED:

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner for Patents**

Brief filed 8/16/2007 has been noted, accepted and forwarded to the Board of Appeals.

MATTHEW SMITH  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800



AF  
IPW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

In re application of

AMITABH JAIN ET AL.

Serial No. 10/816,776 (TI-34913AA)

Filed April 2, 2004

For: ULTRA SHALLOW JUNCTION FORMATION

Art Unit 2813

Examiner David S. Blum

Customer No. 23494

Mail Stop Appeal Brief-Patents  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8**

I hereby certify that the attached document is being deposited with the United States Postal Service with sufficient postage for First Class Mail in an envelope addressed to Director of the United States Patent and Trademark Office, P.O. Box 1450,, Alexandria, VA 22313-1450 or is being facsimile transmitted on the date indicated below:

8-14-07

Jay M. Cantor, Reg. No. 19,906

**SUPPLEMENT TO BRIEF ON APPEAL**

In response to the Office action dated August 10, 2007, the following is added to replace the SUMMARY OF CLAIMED SUBJECT MATTER originally filed and as a supplement to the Brief on Appeal filed 13 April 2006:

**SUMMARY OF CLAIMED SUBJECT MATTER**

The invention relates to a method for forming ultra shallow junctions in a semiconductor substrate. In order to form ultra shallow junctions, it is essential to retain implanted dopant close to the surface of the device with high active dopant concentrations after the annealing procedure. Prior art annealing procedures have resulted in greater dopant migration away from the device surface than is provided by the present invention, thereby